

ER-2 #809 12/08/15 - 12/09/15

Aircraft: [ER-2 - AFRC #809](#) ([See full schedule](#))

Flight Number: 16-9025

Payload Configuration: AMPR, CPL, eMAS, HIWRAP and EXTRAD

Nav Data Collected: Yes

Total Flight Time: 6.1 hours

Comments: Flight 16-9025 was the eighth science mission from KTCM with AMPR, CPL, eMAS, HIWRAP and EXTRAD. Flight took off on time from KTCM at 1026 local and landed in KTCM at 1630 local (5.1 hours). Stu Broce was the pilot. The mission was ER-2 only to survey a significant Atmospheric River (AR) event which brought heavy rainfall to the area. The mission included two rather long racetracks, the first oriented NE to SW and the second basically South to North. The mission included RADEX as well as EXTRAD science objectives. To accomplish EXTRAD requirements, HIWRAP required special configuration (performed day prior). All objectives were met. Some short duration inflight failures of EXTRAD were noted and cleared by resets

Submitted by: Charles E. Irving on 12/08/15

Flight Segments:

From:	TCM	To:	TCM
Start:	12/08/15 18:26 Z	Finish:	12/08/15 21:26 Z
Flight Time:	3.1 hours		
Log Number:	162011 - Completed as of this flight.	PI:	Lihua Li
Funding Source:	Pamela Millar - NASA - SMD - ESD ESTO Program Manager - AITT Pgm Mgr		
Purpose of Flight:	Science		

From:	TCM	To:	TCM
Start:	12/08/15 21:27 Z	Finish:	12/09/15 00:30 Z
Flight Time:	3 hours		
Log Number:	162003	PI:	David Starr
Funding Source:	Hal Maring - NASA - SMD - ESD Radiation Science Program		
Purpose of Flight:	Science		

Flight Hour Summary:

	122001	132014	142010	152027	162011
Flight Hours Approved in SOFRS	18			4.1	2.2
Flight Hours Previously Approved		18	5.9	10	
Total Used	0	12.1	0	0	5.6
Total Remaining					6.6

162011 Flight Reports						
Date	Flt #	Purpose of Flight	Duration	Running Total	Hours Remaining	Miles Flown
11/09/15	16-9015	Check	2.5	2.5	9.7	
12/08/15	16-9025	Science	3.1	5.6	6.6	

132014 Flight Reports						
Date	Flt #	Purpose of Flight	Duration	Running Total	Hours Remaining	Miles Flown
02/11/13	13-9026	Science	2.4	2.4	15.6	
02/12/13	13-9027	Science	3.5	5.9	12.1	
02/13/13	13-9028	Science	6.2	12.1	5.9	

Source URL: https://airbornescience.nasa.gov/flight_reports/ER-2_809_12_08_15_-_12_09_15#comment-0

NASA Official: Bruce A. Tagg

Flight Reports began being entered into this system as of 2012 flights. If there were flights flown under an earlier log number the flight reports are not available online.

162003 Flight Reports

Date	Flt #	Purpose of Flight	Duration	Running Total	Hours Remaining	Miles Flown
11/10/15	16-9016	Check	2.3	2.3	67.7	
11/16/15	16-9017	Transit	2.7	5	65	
11/18/15	16-9018	Science	6.6	11.6	58.4	
11/23/15	16-9019	Science	8.2	19.8	50.2	
11/24/15	16-9020	Science	7.1	26.9	43.1	
12/01/15 - 12/02/15	16-9021	Science	5.1	32	38	
12/03/15	16-9022	Science	3.4	35.4	34.6	
12/04/15	16-9023	Science	7	42.4	27.6	
12/05/15	16-9024	Science	4	46.4	23.6	
12/08/15 - 12/09/15	16-9025	Science	3	49.4	20.6	
12/10/15	16-9026	Science	5.8	55.2	14.8	
12/12/15	16-9027	Science	4.1	59.3	10.7	
12/13/15 - 12/14/15	16-9028	Science	8	67.3	2.7	
12/15/15	16-9029	Ferry	2.7	70	0	

162003

Flight Hours Approved in SOFRS

70

Total Used

70

Total Remaining

0